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# SUPPLEMENT

PHOTOGRAPHIC INTERPRETATION REPORT



## KH-4 MISSION 1108

### IPIR NUMBER 19

### OAK SUPPLEMENT PART XV

### 5-21 DECEMBER 1969

DECLASS REVIEW BY NIMA / DoD

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WARNING


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TARGET CATEGORIES

1. GUIDED MISSILES \*
    - A. ICBM Deployment
    - B. IRBM and MRBM (including search areas)
    - C. Research and Development (including space)
    - D. Production Facilities (including test)
    - E. Suspect Missile (Search area or undetermined activity)
    - F.
    - G. Naval Launched Missiles
    - H. Anti-Missile Missile
    - I. SAM Sites
    - J. Short Range Surface-to-surface Missiles
    - K. Missile support/storage areas
    - L. SAM Training Complexes
  2. AIRCRAFT
    - A. Long Range Bases
    - B. Production Facilities (including R and D)
    - C. Airfields
  3. NUCLEAR ENERGY
    - A. Test Area
    - B. Production
    - C. Stockpiles
    - D. Research Institutes
    - E. Suspect Activity
  4. NAVAL ACTIVITY
    - A. Operating Bases
    - B. Production Yards
    - C. Commercial Ports
    - D. Locks and Canals
  5. BIOLOGICAL/CHEMICAL WARFARE
    - A. BW/CW Test Areas (including test)
    - B. Production
    - C. Storage
    - D. Research Institutes
    - E. Suspect Activity
  6. ELECTRONICS
    - A. Missile Tracking Facilities
    - B. Electronics (general)
  7. MILITARY
    - A. Military Installations
    - B. Special Areas
    - C.
    - D. Landing Beaches
    - E.
    - F.
    - G. Tactical SSM Support Facilities
  8. URBAN/INDUSTRIAL
    - A. Complexes
    - B. Industrial Plants
    - C. Geodetic Control Points
  9. OTHER
    - A. Unidentified Installations
- \* Digits in these numbers indicate specific target complexes. A suffix identifies individual components within the complex.

TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

TABLE OF CONTENTS

	PAGE
PREFACE	1
CHINA	
DEPLOYED STRATEGIC SSM FACILITIES	2
MISSILE RANGES	3
AIR DEFENSE MISSILES	6
COMMO/ELEC/RADAR FACILITIES	8
AIR BASE FACILITIES	10
NAVAL BASE FACILITIES	11
GROUND FORCE FACILITIES	12
NUCLEAR ENERGY	48
CBR FACILITIES	49
INDUSTRY	50
MISCELLANEOUS	52
UNITED ARAB REPUBLIC	
AIR DEFENSE MISSILES	53
AIR BASE FACILITIES	54
GROUND FORCE FACILITIES	56
INDUSTRY	60
	
NORTH KOREA	
LOGISTICS	63
INDUSTRY	64
MISCELLANEOUS	65
POLAND	
AIR DEFENSE MISSILES	66
COMMO/ELEC/RADAR FACILITIES	67
SAUDI ARABIA	
AIR DEFENSE MISSILES	68
USSR	
DEPLOYED STRATEGIC SSM FACILITIES	69
MISSILE RANGES	73
AIR DEFENSE MISSILES	76
COMMO/ELEC/RADAR FACILITIES	93
AIR BASE FACILITIES	99
GROUND FORCE FACILITIES	100

Handle Via

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

NUCLEAR ENERGY  
CBR FACILITIES  
INDUSTRY

PAGE  
102  
103  
104

NORTH VIETNAM  
AIR DEFENSE MISSILES  
GROUND FORCE FACILITIES

106  
107

II

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KH-4 MISSION 1108

PREFACE

## PREFACE

THIS IS THE FIFTEENTH OAK SUPPLEMENT REPORT ON MISSION 1108.  
FOR COMPLETE PREFACE SEE THE FIRST OAK SUPPLEMENT REPORT.

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KH-4 MISSION 1108

CHINA  
MISSILE RANGES

SIGNIFICANT RESULTS

25X1D

SHUANG-CHENG-TZU MISSILE TEST CENTER

25X1D

STATUS: OPERATIONAL

25X1A

25X1A

REMARKS:

THE ENTIRE MISSILE TEST CENTER IS COVERED. NO MISSILES OR MISSILE-RELATED PIECES OF EQUIPMENT ARE OBSERVED IN THE SSM LAUNCH AREAS OR OPERATIONAL SUPPORT AREAS. CONSTRUCTION CONTINUES AT LAUNCH COMPLEX B. THE GANTRY HAS BEEN MOVED FROM OVER THE LAUNCH POINT TO THE OPPOSITE EDGE OF PAD B1. THREE PROBABLE INSTRUMENTATION SITES ARE UNDER CONSTRUCTION IN THE DESERT NE OF THE SCTMTC AIRFIELD. THE THREE SITES FORM A TRIANGLE HAVING SIDES 12, 15.5, AND 23.5 NM LONG. EACH SITE CONSISTS OF FOUR BUILDINGS, THE LARGEST OF WHICH IS APPROXIMATELY [REDACTED] AND A FEW SMALL STRUCTURES OR BUNKERS. THESE SITES ARE NEW SINCE [REDACTED]

25X1D

25X1D

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

SHUANG-CHENG-TZU MTC SSM TRKNG FAC 10  
NAC

25X1D

STATUS: OPERATIONAL

25X1A

25X1D

**25X1D**

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**Next 1 Page(s) In Document Exempt**

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KH-4 MISSION 1108

CHINA  
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D

KUANG-CHOU SAM SITE B28-2

25X1D

STATUS: UNOCCUPIED

25X1A

25X1A

REMARKS:

THE SITE APPEARS TO BE NEARLY COMPLETE AND CONSISTS OF SIX EXCAVATED LAUNCH POSITIONS AND AN EXCAVATED CENTRAL GUIDANCE AREA CONTAINING TWO BUILDINGS. THREE MISSILE-HOLD BUILDINGS ARE LOCATED ALONG THE PERIMETER ROAD. THE SUPPORT AREA TO THE SE CONTAINS 20 BUILDINGS. A PROBABLE SUPPORT AREA TO THE SOUTH CONTAINS 19 BUILDINGS.

25X1D

25X1D

25X1D

NAN-CHING SAM SITE A33-2

STATUS: OCCUPIED

25X1A

25X1A

REMARKS:

THE SITE IS PROBABLY OCCUPIED.

MISSILE ORDER OF BATTLE:  
2 POSS LAUNCHERS

25X1D

25X1D

25X1D

SHUANG-CHENG-TZU MTC SAM SITE B07-2

STATUS: OCCUPIED

25X1A

25X1A

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KH-4 MISSION 1108

CHINA  
AIR DEFENSE MISSILES

REMARKS:  
NEW TRACK ACTIVITY IS PRESENT BETWEEN THE SAM SITE AND  
INSTRUMENTATION SITE 13.

25X1D



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KH-4 MISSION 1108

CHINA  
COMMO/ELEC/RADAR FACILITIES

SIGNIFICANT RESULTS

25X1D

CHING-HAI AW RADAR FACILITY

25X1D

[REDACTED]

[REDACTED]

[REDACTED]

25X1A

25X1A

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

900 METERS SOUTH OF KUNGSHAOIKO.

THE TRENCH-SECURED AIR WARNING RADAR FACILITY CONTAINS ONE  
CONTROL BUILDING, ONE BARRACKS, AND THREE SUPPORT BUILDINGS.

25X1D

ELECTRONIC ORDER OF BATTLE:

[REDACTED]

1 MOON FACE-TYPE RADAR

25X1D

[REDACTED]

1 MOON FACE-TYPE RADAR

25X1D

[REDACTED]

SHAN-HSI SUSP COMMO/ELEC FAC SEARCH

37-00-//N 119-00-//E

25X1D

[REDACTED]

[REDACTED]

[REDACTED]

25X1A

25X1A

STATUS: NEGATED

ELECTRONIC ORDER OF BATTLE:

NO COMMUNICATIONS OR ELECTRONICS FACILITY IS OBSERVED.

25X1D

[REDACTED]

**25X1D**

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KH-4 MISSION 1108

CHINA  
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

MU-TAN CHIANG/WEN-CHUN NORTHEAST AELD

-25X1D

25X1A

25X1A

STATUS:UNKNOWN

REMARKS:  
THE RUNWAYS ARE SNOW COVERED.

AIR ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

YEN-CHI AIRFIELD EAST

25X1D

25X1A

25X1D

25X1A

STATUS:UNKNOWN

REMARKS:  
THE RUNWAY IS SNOW COVERED.

AIR ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

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Control System Only

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KH-4 MISSION 1108

CHINA  
NAVAL BASE FACILITIES

### SIGNIFICANT RESULTS

25X1D

CHEN-TAI NAVAL FACILITY  
NAC

25X1D

STATUS: OPERATIONAL

25X1A

NAVAL ORDER OF BATTLE:  
4 SHANGHAI PGM

3 POSS PGM

25X1D

25X1D

SHAN-TOU BOATYARD NORTH  
NAC

25X1D

STATUS: OPERATIONAL

25X1A

NAVAL ORDER OF BATTLE:  
2 VESSELS AT WHARF

25X1D

25X1D

SHAN-WEI NAVAL BASE  
NAC

25X1D

STATUS: OPERATIONAL

25X1A

NAVAL ORDER OF BATTLE:  
6 SHANGHAI PGM

25X1D

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Control System Only

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KH-4 MISSION 1108

CHINA  
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

CHANG-HSIN-TIEN ARMY BARRACKS AL 2  
NAC

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
8 VEHICLES/PIECES OF  
EQUIPMENT

25X1D

25X1D

25X1D

CHANG-HSIN-TIEN ORD DPO ARMY BKS AL 1  
NAC

STATUS:OCCUPIED

25X1A

REMARKS:  
THE VEHICLES/PIECES OF EQUIPMENT ARE PARKED IN THE CENTER OF  
THE OVAL-SHAPED ATHLETIC FIELD.

GROUND FORCE ORDER OF BATTLE:  
2 ROWS OF VEHICLES/PIECES  
OF EQUIPMENT

25X1D

25X1D

25X1D

CHEN-CHIANG ARMY BARRACKS SOUTHEAST  
NAC

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
SEVERAL ROWS OF  
VEHICLES/PIECES OF  
EQUIPMENT

25X1D

TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

CHINA  
GROUND FORCE FACILITIES

25X1D



25X1D

25X1D

CHEN-TZU-CHEN ARMY BKS SOUTHEAST AL 1  
NAC



25X1A

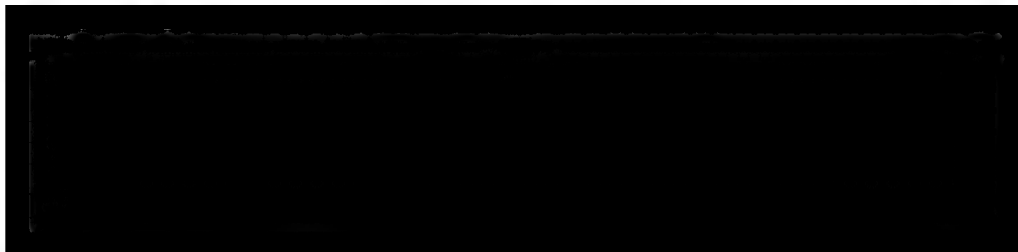
STATUS:OCCUPIED

25X1D

GROUND FORCE ORDER OF BATTLE:

18 PIECES OF EQUIPMENT

25X1D



25X1D

25X1D

CHIN-CHOU MILITARY BARRACKS  
NAC



STATUS:OCCUPIED

25X1A

REMARKS:

APPROXIMATELY 25 ROWS OF BUILDING MATERIAL (PROBABLY LUMBER)  
ARE OBSERVED ADJACENT TO THE NEW RAIL SPUR.

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D



25X1D

25X1D

FANG-SHAN ARMY BARRACKS NNW AL 2



25X1A

25X1A



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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

CHINA  
GROUND FORCE FACILITIES

STATUS:OCCUPIED

REMARKS:

ONE MULTISTORY ADMINISTRATION/SUPPORT BUILDING HAS BEEN  
CONSTRUCTED SINCE [REDACTED] 25X1D

GROUND FORCE ORDER OF BATTLE:  
10 PIECES OF EQUIPMENT (AT  
LEAST)



HSI-CHANG ARMY BARRACKS AL 1  
[REDACTED] NAC

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:  
10 VEHICLES/PIECES OF  
EQUIPMENT



HUAI-LAI ARMY BARRACKS NORTHWEST AL 1  
[REDACTED] NAC

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:  
10 VEHICLES/PIECES OF  
EQUIPMENT (AT LEAST)

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Control System Only

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

CHINA  
GROUND FORCE FACILITIES

25X1D



25X1D

25X1D

KAI-FENG ARMY BARRACKS AL 3  
NAC



25X1A

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:  
15 VEHICLES (AT LEAST)

25X1D



25X1D

25X1D

KAI-FENG ARMY BARRACKS SOUTHWEST AL 1  
NAC



25X1A

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:  
22 VEHICLES/PIECES OF  
EQUIPMENT (AT LEAST)

25X1D



25X1D

25X1D

LIANG-HSIANG ARMY BARRACKS AL 1  
NAC



25X1A

STATUS:OCCUPIED

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Control System Only

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

CHINA  
GROUND FORCE FACILITIES

GROUND FORCE ORDER OF BATTLE:  
8 ROWS OF VEHICLES/PIECES  
OF EQUIPMENT

25X1D



25X1D

LIU-CHIA-CHENG-CHANG ARMY BKS AL 1  
NAC

25X1D



STATUS:OCCUPIED

25X1A

25X1D

GROUND FORCE ORDER OF BATTLE:

6 POSS FA PIECES

4 POSS TRUCKS

25X1D



25X1D

25X1D

LU-YANG-I ARMY BARRACKS NW AL 1  
NAC

STATUS:OCCUPIED

25X1A

REMARKS:

25X1D

THE VEHICLE STORAGE BUILDING REPORTED UNDER CONSTRUCTION IN  
HAS BEEN COMPLETED,

25X1D

GROUND FORCE ORDER OF BATTLE:  
20 VEHICLES/PIECES OF  
EQUIPMENT (APPROXIMATELY)

25X1D



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Control System Only

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

CHINA  
GROUND FORCE FACILITIES

25X1D

25X1D

NAN-CHING ARMY BARRACKS EAST AL 2  
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:

36 PROB FA PIECES

25 PROB TRUCKS (AT LEAST)

18 PROB AAA PIECES

25X1D

[REDACTED]

25X1D

25X1D

NAN-CHING ARMY BKS SOUTH AL 4  
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:

10 VEHICLES (AT LEAST)

5 VEHICLES/PIECES OF  
EQUIPMENT

25X1D

[REDACTED]

25X1D

25X1D

NAN-CHING FOURTH ADVANCED INF SCHOOL  
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:

5 VEHICLES

25X1D

[REDACTED]

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Approved For Release 2000/08/22 : CIA-RDP78T04562A000100010014-2  
Control System Only

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

CHINA  
GROUND FORCE FACILITIES

25X1D

25X1D

PEI-CHING ARMY BARRACKS NORTH AL 1  
NAC

STATUS:OCCUPIED

25X1A

25X1D

GROUND FORCE ORDER OF BATTLE:

30 PROB AAA PIECES (AT  
LEAST)

25X1D

34 PROB AAA PIECES (AT  
LEAST)

25X1D

25X1D

25X1D

PEN-CHI ARMY BARRACKS AL 2

STATUS:UNKNOWN

25X1A

25X1A

REMARKS:

THE INSTALLATION AT THE REFERENCED COORDINATES CONTAINS  
APPROXIMATELY 15 BUILDINGS (ONE T-SHAPED) BUT CANNOT BE  
CONFIRMED AS BEING MILITARY DUE TO SMALL SCALE OF PHOTOGRAPHY.

25X1D

25X1D

25X1D

PIEN-NIU-PAO-TZU ARMY BARRACKS AL 2

STATUS:OCCUPIED

25X1A

25X1A

PHYSICAL DESCRIPTION:

5 NM NE OF PIENNIUPAOTZU.

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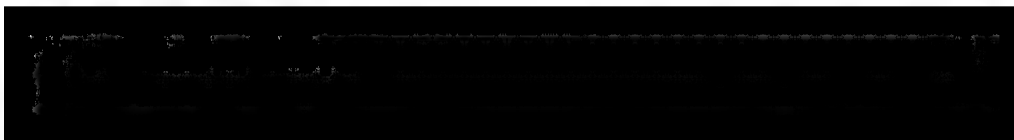
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KH-4 MISSION 1108

CHINA  
GROUND FORCE FACILITIES

A POSSIBLE ARMORED REGIMENT IS DISPERSED THROUGHOUT SEVEN VALLEYS AND CONTAINS 49 BARRACKS, ONE ADMINISTRATION BUILDING, 25 VEHICLE/EQUIPMENT SHEDS, ONE AUDITORIUM, 53 STORAGE/SUPPORT BUILDINGS, AND TWO TRACKED-VEHICLE DRIVER-TRAINING COURSES. EXTENSIVE TRACK ACTIVITY IS OBSERVED THROUGHOUT THE ENTIRE INSTALLATION.

GROUND FORCE ORDER OF BATTLE;  
NONE DISCERNIBLE

25X1D



25X1D

25X1D

PING-KU ARMY BARRACKS AL 1  
NAC

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
1 ROW OF POSS VEHICLES IN  
AREA D

25X1D



25X1D

25X1D

PIN-HAI ARMY BARRACKS NE AL 1

STATUS:NEGATED

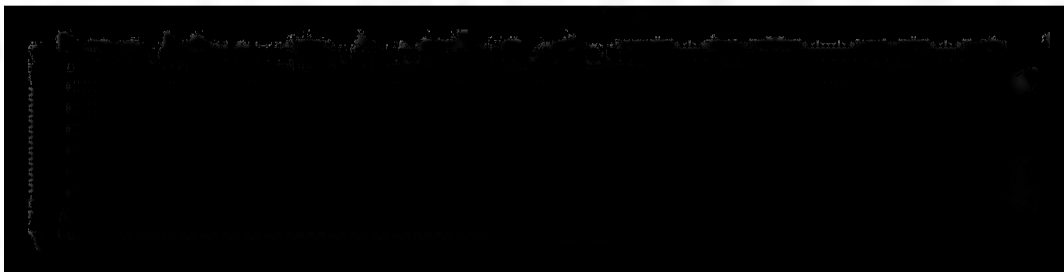
25X1A

25X1A

REMARKS:

THE INSTALLATION AT THE REFERENCED COORDINATES IS NOT MILITARY IN NATURE. THE FACILITY APPEARS TO BE ASSOCIATED WITH LOCAL AGRICULTURE AS EVIDENCED BY THE NATIVE HOUSING AND SOYBEAN BINS DISPERSED THROUGHOUT THE AREA.

25X1D



TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

CHINA  
GROUND FORCE FACILITIES

25X1D

SHAN-TOU ARMY BARRACKS LIEN-TANG AL 1  
NAC

25X1D

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
4 ROWS OF POSS CARGO TRUCKS

25X1D

25X1D

SHAN-TOU ARMY BKS AN-FOU SOUTHWEST  
NAC

25X1D

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
6 POSS VEHICLES

25X1D

25X1D

TAN-TUNG ARMY BKS SHIH-YING-CHIEH AL 1  
NAC

25X1D

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
3 PROB CARGO TRUCKS  
5 UNIDENTIFIED PIECES OF  
EQUIPMENT

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

CHINA  
GROUND FORCE FACILITIES

25X1D



25X1D

25X1D

TUNG-HUA ARMY BARRACKS NORTHEAST AL 5

STATUS:OCCUPIED

25X1A

25X1A

REMARKS:

EXTENSIVE TRACK ACTIVITY IS APPARENT IMMEDIATELY NORTH OF THE  
INSTALLATION.

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D



25X1D

25X1D

WEI-FANG ARMY BARRACKS WSW AL 1

STATUS:OCCUPIED

25X1A

25X1A

REMARKS:

THE AUDITORIUM PREVIOUSLY REPORTED UNDER CONSTRUCTION HAS BEEN  
COMPLETED.

GROUND FORCE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D





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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

CHINA  
GROUND FORCE FACILITIES

25X1D

25X1D

WU-HSI ARMY BARRACKS AREA 7  
NAC

STATUS: OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
15 PROB AAA PIECES

10 PROB CARGO TRUCKS



25X1D

**25X1D**

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**Next 26 Page(s) In Document Exempt**

**Approved For Release 2000/08/22 : CIA-RDP78T04562A000100010014-2**

TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

CHINA  
INDUSTRY

SIGNIFICANT RESULTS

25X1D

25X1D

HAI-MEN NAVAL BASE SHAN-TOU  
NAC

STATUS: OPERATIONAL

25X1A

25X1D

NAVAL ORDER OF BATTLE:

2 PROB SHANGHAI PGM  
2 SMALL UNIDENTIFIED  
VESSELS

25X1D

4 SMALL VESSELS

25X1D

25X1D

25X1D

LO-YANG TRACTOR PLANT 1

STATUS: UNDER CONSTRUCTION

25X1A

25X1A

REMARKS:

THREE LARGE BUILDINGS ARE UNDER CONSTRUCTION IN THE WESTERN  
PORTION OF THE PLANT.

ASSOCIATED OBJECTS:

3 POSS CARGO TRUCKS

16 POSS TRACTORS

25X1D

25X1D

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TOP SECRET CHESS RUFF

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

CHINA  
MISCELLANEOUS

SIGNIFICANT RESULTS

25X1D

SHUANG-CHENG-TZU PROB INST SITE UCON

25X1D

25X1A

25X1A

STATUS: UNDER CONSTRUCTION

25X1D

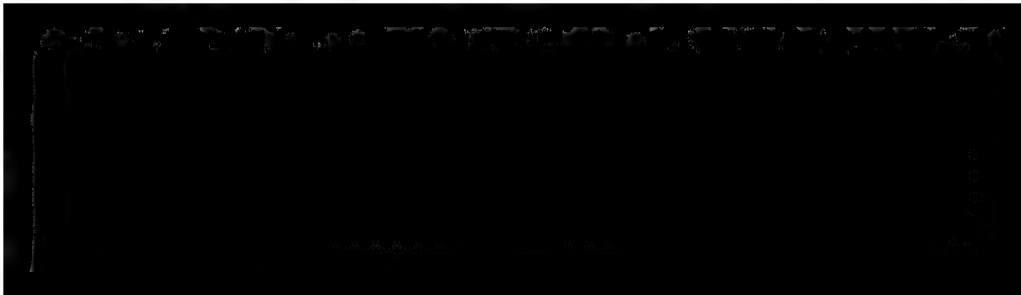
PHYSICAL DESCRIPTION:

ADJACENT TO AND WEST OF THE L-INSTRUMENTATION PATTERN APEX SITE. THIS IS ONE OF THREE NEW PROBABLE INSTRUMENTATION SITES UNDER CONSTRUCTION IN THE DESERT NE OF THE SCTMTC AIRFIELD. THE SITE CONSISTS OF FOUR BUILDINGS, THE LARGEST OF WHICH IS APPROXIMATELY [REDACTED], A TOWER, AND A FEW SMALL STRUCTURES OR BUNKERS. NOT PRESENT IN [REDACTED] IT WAS FIRST OBSERVED IN A LATE STAGE OF CONSTRUCTION IN [REDACTED]

25X1D

25X1D

25X1D



TOP SECRET CHESS RUFF

Handle Via

TOP SECRET CHESS RUFF  
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KH-4 MISSION 1108

UNITED ARAB REPUBLIC  
AIR DEFENSE MISSILES

### SIGNIFICANT RESULTS

25X1D

25X1D

AS SUWAYS SAM SUPPORT FACILITY

NAC

STATUS: OPERATIONAL

25X1A

25X1D

25X1D

25X1D

ASWAN SAM SUPPORT FACILITY

NAC

STATUS: OPERATIONAL

25X1A

25X1D

25X1D

25X1D

DAHSHUR SAM SUPPORT FACILITY

NAC

STATUS: OPERATIONAL

25X1A

25X1D

Handle Via

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

UNITED ARAB REPUBLIC  
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

AL FAYYUM AIRFIELD  
[REDACTED] NAC

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:  
3 PROB FAGOT/FRESCO  
1 SMALL PROB  
AIRCRAFT/HELICOPTER

25X1A

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D

ABU SUNBUL AIRFIELD  
[REDACTED] NAC

STATUS: UNDER CONSTRUCTION

AIR ORDER OF BATTLE:  
NONE PRESENT

25X1A

25X1D

25X1D

25X1D

ASYUT AIRFIELD  
[REDACTED] NAC

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:  
NONE PRESENT

25X1A

25X1D

25X1D

25X1D

RAS GHARIB AIRFIELD  
[REDACTED] NAC

STATUS: OPERATIONAL

25X1A

**25X1D**

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

UNITED ARAB REPUBLIC  
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D FAID ARMY BKS + ENGINEER DEPOT SSE

NAC

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
NUMEROUS VEHICLES OR PIECES OF EQUIPMENT

25X1D

25X1D

25X1D SUEZ CANAL SPECIAL AREA 0708

NAC

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
NUMEROUS VEHICLES OR PIECES OF EQUIPMENT

25X1D

25X1D

25X1D SUEZ CANAL SPECIAL AREA 0712

NAC

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
NUMEROUS VEHICLES OR PIECES OF EQUIPMENT

25X1D

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TOP SECRET CHESS RUFF

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KH-4 MISSION 1108

UNITED ARAB REPUBLIC  
GROUND FORCE FACILITIES

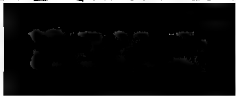
25X1D



25X1D

25X1D

SUEZ CANAL SPECIAL AREA 0716



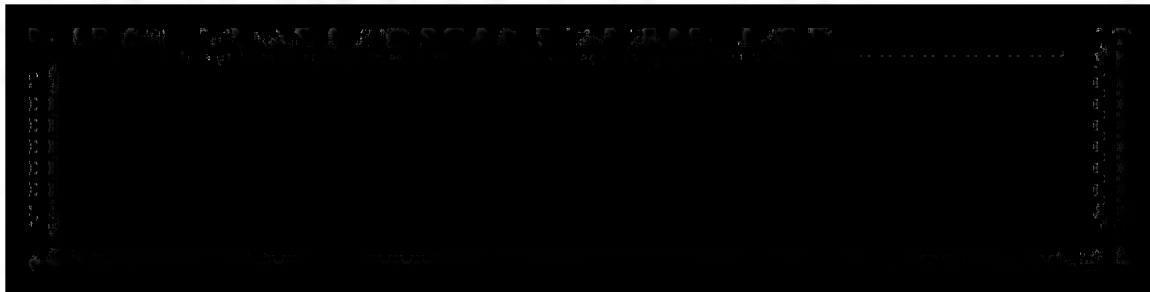
NAC



STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
NUMEROUS VEHICLES OR PIECES OF EQUIPMENT



25X1D

25X1D

SUEZ CANAL SPECIAL AREA 1204



NAC

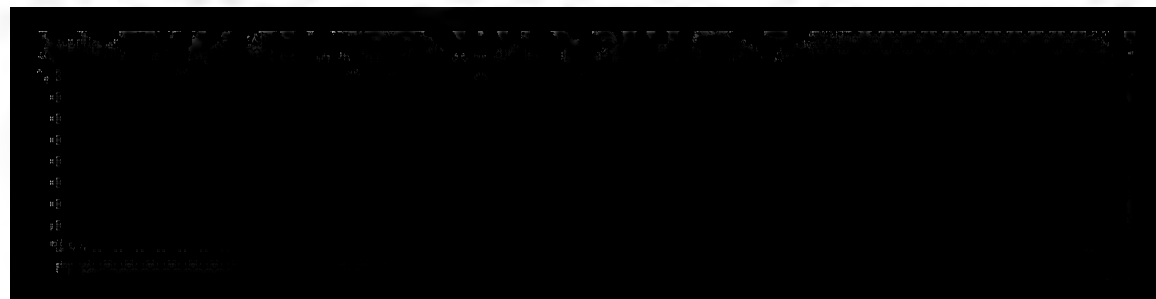


25X1D

STATUS:OCCUPIED

25X1A

GROUND FORCE ORDER OF BATTLE:  
NUMEROUS VEHICLES OR PIECES OF EQUIPMENT



25X1D

**25X1D**

**Approved For Release 2000/08/22 : CIA-RDP78T04562A000100010014-2**

**Next 7 Page(s) In Document Exempt**

**Approved For Release 2000/08/22 : CIA-RDP78T04562A000100010014-2**

Handle Via

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

POLAND  
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D

GDANSK SAM SITE B31-2  
NAC

25X1D

STATUS:OCCUPIED

25X1A

25X1D



25X1D

25X1D

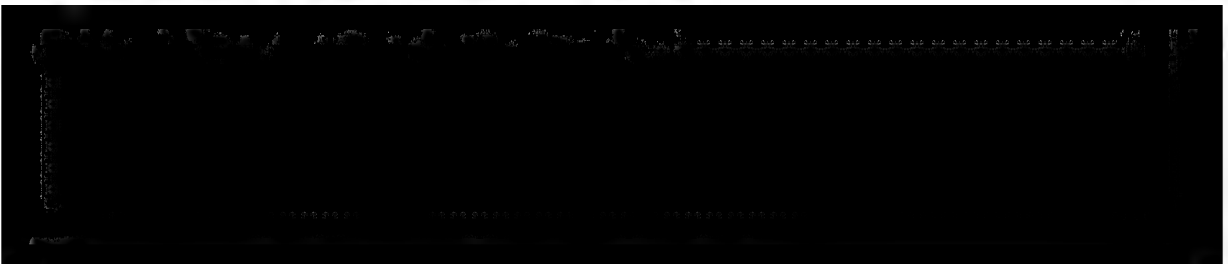
ORZYSZ SAM SITE A14-2  
NAC

STATUS:OCCUPIED

25X1A

REMARKS:  
THE SITE IS PROBABLY OCCUPIED,

25X1D



**25X1D**

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TOP SECRET CHESS RUFF

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KH-4 MISSION 1108

SAUDI ARABIA  
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D

TABUK EAST HAWK SITE A12-11

25X1D



25X1A

STATUS:OCCUPIED

25X1D

REMARKS:

ON [REDACTED] THE LAUNCH POSITIONS AND THE RADAR POSITIONS  
ARE UNOCCUPIED. HOWEVER, NUMEROUS VEHICLES OR PIECES OF  
EQUIPMENT ARE OBSERVED ADJACENT TO THE PROBABLE BARRACKS.

25X1D

ON [REDACTED] THE LAUNCH POSITIONS AND THE RADAR POSITIONS ARE  
OCCUPIED. NUMEROUS VEHICLES OR PIECES OF EQUIPMENT ARE ALSO  
OBSERVED AT THE SITE.

25X1D



TOP SECRET CHESS RUFF

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

USSR  
DEPLOYED STRATEGIC SSM FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

BARANO-ORENBURGSKOYE MRBM COMPLEX  
NAC

25X1A

STATUS:NOT OPERATIONAL

REMARKS:

ALL COMPONENTS OF THE LAUNCH COMPLEX ARE VISIBLE. NO MISSILE EQUIPMENT IS OBSERVED, ALTHOUGH AT LEAST TEN VEHICLES ARE ON THE TWO SOUTHERN LAUNCH PADS.

25X1D

25X1D

25X1D

GLAZOV MISSILE SUPPORT FACILITY  
NAC

25X1A

STATUS:OPERATIONAL

REMARKS:

SMALL SCALE AND SHADOWS PRECLUDE A COUNT AND IDENTIFICATION OF VEHICLES AND PIECES OF EQUIPMENT.

25X1D

25X1D

25X1D

GVARDEYSK MRBM COMPLEX  
NAC

25X1A

STATUS:NOT OPERATIONAL

REMARKS:

ALL ELEMENTS OF THE COMPLEX ARE VISIBLE. HOWEVER, HEAVY SHADOWS PRECLUDE IDENTIFICATION OF EQUIPMENT.

25X1D

TOP SECRET CHESS RUFF

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TOP SECRET CHESS RUFF  
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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

USSR  
DEPLOYED STRATEGIC SSM FACILITIES

25X1D



25X1D

KREMOVO MRBM COMPLEX



25X1D

25X1A

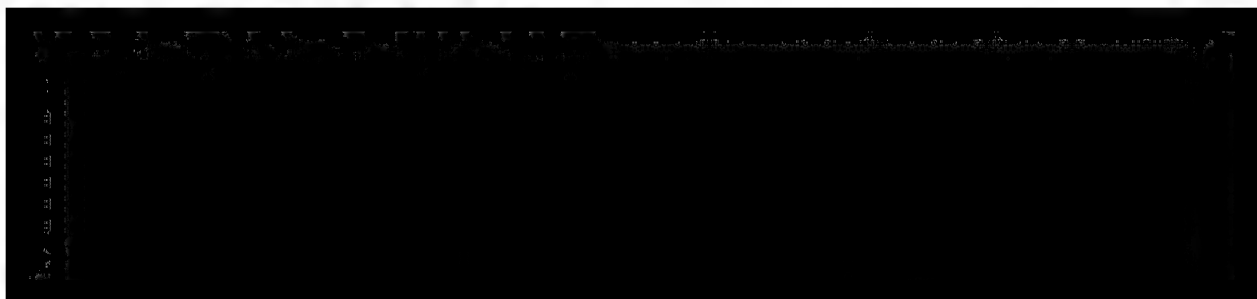
25X1A

STATUS: OPERATIONAL

REMARKS:

ALL COMPONENTS OF THE COMPLEX INCLUDING THE MANZOVKA SCALEBOARD SITES ARE VISIBLE. A POSSIBLE DRIVE-THROUGH BUILDING AND A ROAD WHICH WOULD LINK THE BUILDING TO TWO LAUNCH POSITIONS ARE UNDER CONSTRUCTION INSIDE THE LAUNCH SITE AT MANZOVKA SCALEBOARD LAUNCH SITE 1. AT KREMOVO LAUNCH SITE 1, PROPELLANT TRANSPORTERS ARE ALONGSIDE THE ERECTORS AT THE FOUR NORTHERN LAUNCH PADS. AT THE SOUTHERNMOST PAD, A TRANSPORTER APPEARS TO BE ALIGNED WITH THE ERECTOR. ERECTORS ARE PRESENT ON ALL 12 LAUNCH PADS OF THE TWO SITES.

25X1D



25X1D

PINSK MRBM COMPLEX

25X1A



25X1D

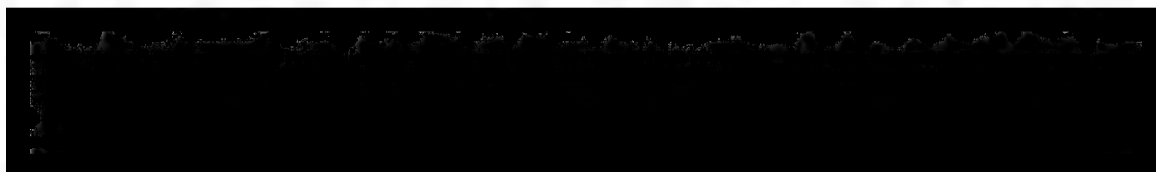
STATUS: OPERATIONAL

25X1A

REMARKS:

ALL COMPONENTS OF THE COMPLEX ARE OBSERVED. AT LAUNCH SITE 1, TWO UNIDENTIFIED OBJECTS, POSSIBLY TRANSPORTERS, ARE ALIGNED WITH THE ERECTORS ON THE TWO EASTERN LAUNCH PADS. POSSIBLE ERECTORS ARE ON EACH OF THE LAUNCH PADS AT LAUNCH SITE 2.

25X1D





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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

USSR  
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

SOVETSK MRBM COMPLEX  
NAC

25X1D

STATUS: OPERATIONAL

25X1A

REMARKS:

ALL ELEMENTS OF THE COMPLEX ARE VISIBLE. HOWEVER, HEAVY SHADOWS PRECLUDE IDENTIFICATION OF EQUIPMENT.

25X1D

25X1D

ZNAMENSK MRBM COMPLEX  
NAC

STATUS: OPERATIONAL

25X1A

REMARKS:

ALL ELEMENTS OF THE COMPLEX ARE VISIBLE. HOWEVER, HEAVY SHADOWS PRECLUDE IDENTIFICATION OF EQUIPMENT.

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D

MANZOVKA IR/MRBM DIVISION HQ  
NAC

STATUS: OCCUPIED

25X1A

25X1D

TOP SECRET CHESS RUFF

**25X1D**

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TOP SECRET CHESS RUFF

TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

USSR  
MISSILE RANGES

### SIGNIFICANT RESULTS

25X1D

KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR

25X1D

STATUS: OPERATIONAL

25X1A

25X1A

25X1D

#### REMARKS:

25X1D

AT LAUNCH COMPLEX A ON [REDACTED] CONSTRUCTION PROGRESS IS OBSERVED ONLY AT THE NEW MULTISTORY BUILDING IN THE MISSILE ASSEMBLY AND CHECKOUT FACILITY. THIS BUILDING NOW APPEARS TO BE ROOFED. ON [REDACTED] ADDITIONAL SCRAPING IS OBSERVED ON THE SW SIDE OF 2A-1.

25X1D

25X1D

AT LAUNCH COMPLEX B ON [REDACTED] DISMANTLED PIECES OF THE LARGE INCLINED LAUNCHER IN LAUNCH AREA B3, WHICH HAD BEEN STORED ON THE CONCRETE JUST FORWARD OF THE LAUNCHER, HAVE BEEN REMOVED FROM THE LAUNCH AREA. [REDACTED] APPARENT SCRAPING IS OBSERVED IN THE SW CORNER OF LAUNCH AREA B3.

AT LAUNCH AREA 1C, THE PREVIOUSLY REPORTED FOUR POSSIBLE VEHICLES ARE AGAIN OBSERVED PARKED AT THE REAR EDGE OF LAUNCH PAD 1C-3.

AT LAUNCH AREA 2C, THE GROUND WITHIN THE SECURITY FENCE APPEARS TO HAVE BEEN NEWLY SCRAPED.

AT LAUNCH AREA 3C, CONSTRUCTION CONTINUES ON THE ARCH-ROOFED DRIVE-IN BUILDING, A NEW DRIVE-THROUGH BUILDING BETWEEN THE TWO LAUNCH PADS, AN UNIDENTIFIED BUILDING ON LAUNCH PAD 3C-1, AND A SIMILAR UNIDENTIFIED BUILDING ADJACENT TO LAUNCH PAD 3C-2.

AT LAUNCH AREA 4C, RESURFACING OF THE CONCRETE BETWEEN THE SILOS IS CONTINUING AT LAUNCH SITES 4C-1 AND 4C-2.

AT LAUNCH COMPLEX H, A NEW ROADWAY HAS BEEN CONSTRUCTED CONNECTING THE TWO LAUNCH PADS.

AT THE SRBM TRAINING AREA, AN UNDETERMINED NUMBER OF VEHICLES OR PIECES OF EQUIPMENT ARE OBSERVED IN THE FIELD TRAINING AREAS NW AND SW OF THE SUPPORT AREA.

NO APPARENT CHANGES ARE OBSERVED AT LAUNCH COMPLEXES D, E, OR G, LAUNCH AREAS 5C OR 6C, OR AT THE DOWNRANGE TRACKING FACILITIES.

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KH-4 MISSION 1108

USSR  
MISSILE RANGES

25X1D



25X1D

25X1D

MAKAT MRBM R/R TRANSFER POINT  
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1A

REMARKS:

NUMEROUS RAIL CARS ARE OBSERVED ON THE TEMPORARY RAILS AND THE  
RAIL SIDING.

25X1D



25X1D

25X1D

SASYKTAU MISSILE LAUNCH FACILITY  
[REDACTED] NAC [REDACTED]

STATUS:OCCUPIED

25X1A

25X1D



OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D

MAKAT MRBM FIXED FIELD LAUNCH POINT  
[REDACTED] NAC [REDACTED]

STATUS:UNOCCUPIED

25X1A

MISSILE ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D



25X1D

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

USSR  
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D  
AKHTUBINSK SAM SITE A04-2  
NAC  
STATUS:OCCUPIED  
25X1A

25X1D  
CHELYABINSK SAM SITE B05-2  
NAC  
STATUS:OCCUPIED  
25X1A

25X1D  
CHERNYAKHOVSK SAM SITE B16-2  
NAC  
STATUS:OCCUPIED  
25X1A

25X1D  
CHERNYAKHOVSK SAM SITE B21-2  
NAC  
STATUS:OCCUPIED  
25X1A

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KH-4 MISSION 1108

USSR  
AIR DEFENSE MISSILES

25X1D



25X1D

25X1D

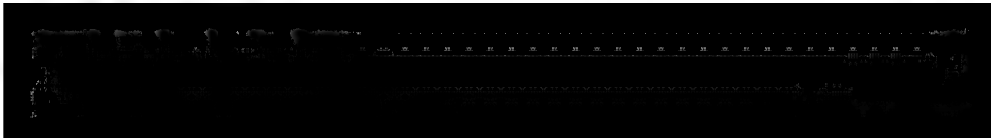
CHERNYAKHOVSK SAM SITE B21-3

NAC

STATUS:OCCUPIED

25X1A

25X1D



25X1D

25X1D

GORKIY SAM SITE B24-2

NAC

STATUS:OCCUPIED

25X1A

25X1D



25X1D

25X1D

GORKIY SAM SITE B31-2

25X1A

STATUS:OCCUPIED

25X1A

PHYSICAL DESCRIPTION:

15 NM NW OF GORKIY.

THE LINK-CONFIGURED SITE CONSISTS OF SIX REVETTED LAUNCH POSITIONS, A REVETTED GUIDANCE AREA, AND PROBABLY THREE REVETTED MISSILE-HOLD POSITIONS. THE ON-SITE SUPPORT FACILITIES CONSIST OF ONE REVETTED BUILDING, ONE LARGE ADMINISTRATION BUILDING, AND FOUR BARRACKS. THE SITE IS PROBABLY OCCUPIED.

25X1D



**25X1D**

**Approved For Release 2000/08/22 : CIA-RDP78T04562A000100010014-2**

**Next 4 Page(s) In Document Exempt**

**Approved For Release 2000/08/22 : CIA-RDP78T04562A000100010014-2**



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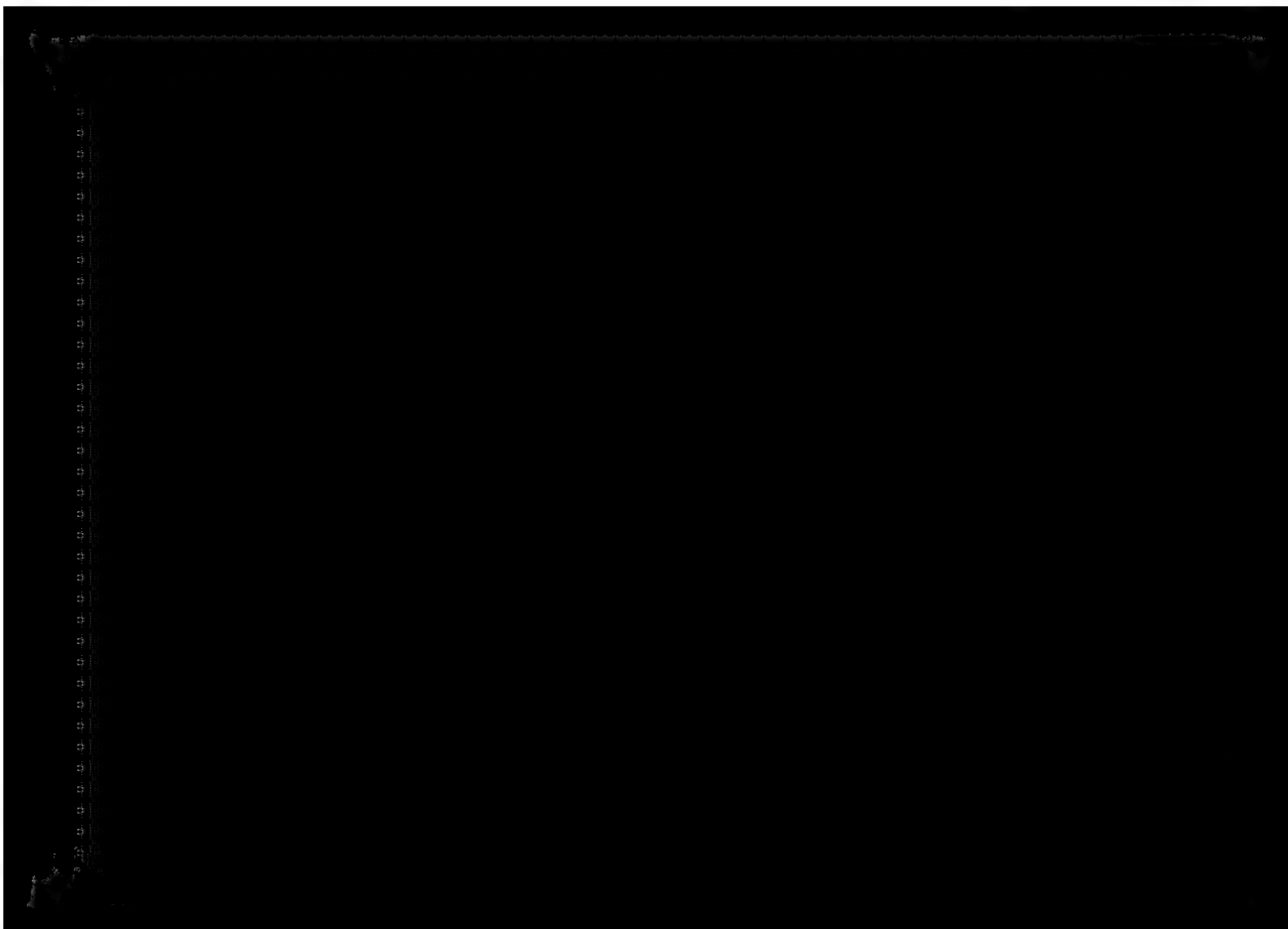
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TOP SECRET CHESS RUFF

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KH-4 MISSION 1108

USSR  
AIR DEFENSE MISSILES

25X1D



25X1D

KLAIPEDA SAM COMPLEX C15-5

25X1D

STATUS:OCCUPIED

25X1A

25X1A

REMARKS:

A NEW MISSILE COMPONENT STORAGE BUILDING IS OBSERVED IN THE  
MISSILE-HANDLING FACILITY.

25X1D



**25X1D**

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TOP SECRET CHESS RUFF

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

USSR  
AIR DEFENSE MISSILES

25X1D

KULYAB SA-2 MISSILE TRAINING FACILITY

25X1D

STATUS: OPERATIONAL

25X1A

25X1A

REMARKS:

ELEVEN COMPLETED LARGE BUILDINGS OF SIMILAR CONSTRUCTION ARE OBSERVED ADJACENT TO AND NNE OF THE BARRACKS. TWO ADDITIONAL SIMILAR BUILDINGS ARE IN THE MIDSTAGE OF CONSTRUCTION AND FOUNDATION EXCAVATIONS ARE OBSERVED FOR FOUR MORE.



25X1D

**25X1D**

**Approved For Release 2000/08/22 : CIA-RDP78T04562A000100010014-2**

**Next 6 Page(s) In Document Exempt**

**Approved For Release 2000/08/22 : CIA-RDP78T04562A000100010014-2**

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Control System Only

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

USSR  
COMMO/ELEC/RADAR FACILITIES

### SIGNIFICANT RESULTS

25X1D

#### ARTEMOVSKIY TV/MICROWAVE FACILITY

25X1D

STATUS: OPERATIONAL

25X1A

#### PHYSICAL DESCRIPTION:

925 METERS (3,038 FEET) WEST OF ARTEMOVSKIY. THIS SECURED FACILITY CONTAINS ONE SELF-SUPPORTING STEEL TV TOWER, ONE CONTROL BUILDING, AND ONE SUPPORT BUILDING.

25X1D

25X1D

#### CHULYM MICROWAVE FACILITY

25X1A

25X1D

#### PHYSICAL DESCRIPTION:

1.5 NM SW OF CHULYM. THIS UNSECURED FACILITY APPEARS TO BE IN THE FINAL STAGES OF CONSTRUCTION. IT CONTAINS A SELF-SUPPORTING STEEL LATTICE TOWER WITH PROBABLE R-600 MICROWAVE ELEMENTS AND ONE CONTROL BUILDING.

25X1D

25X1D

25X1D

#### DUPLENSKAYA MICROWAVE FACILITY

STATUS: OPERATIONAL

25X1A

#### PHYSICAL DESCRIPTION:

1 NM WNW OF DUPLENSKAYA. THIS SECURED FACILITY CONTAINS A SELF-SUPPORTING STEEL LATTICE TOWER WITH PROBABLE R-600 MICROWAVE ELEMENTS, ONE CONTROL BUILDING, AND ONE SUPPORT BUILDING.

25X1D

Handle Via

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Control System Only

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TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

USSR  
COMMO/ELEC/RADAR FACILITIES

25X1D

25X1D

IRBIT AIR WARNING RADAR FACILITY

25X1D

STATUS: OPERATIONAL

25X1A

PHYSICAL DESCRIPTION:

925 METERS (3,038 FEET) NM SOUTH OF IRBIT. THIS SECURED FACILITY CONTAINS TWO OCCUPIED RADAR MOUNDS, FOUR SUPPORT BUILDINGS, AND FOUR VEHICLE REVELMENTS.

ELECTRONIC ORDER OF BATTLE:

1 PROB SEARCH RADAR

1 PROB HEIGHT FINDER

25X1D

25X1D

KOSA POSSIBLE MICROWAVE FACILITY

25X1D

STATUS: OPERATIONAL

25X1A

PHYSICAL DESCRIPTION:

925 METERS (3,038 FEET) NM NORTH OF KOSA. THIS SECURED FACILITY CONTAINS ONE SELF-SUPPORTING POSSIBLE MICROWAVE TOWER. SIZE, TYPE, OR ORIENTATION OF ELEMENTS OF THE TOWER CANNOT BE DETERMINED.

25X1D

25X1D

KRASNOYARSK ORBITA FACILITY

25X1D

STATUS: OPERATIONAL

25X1A

PHYSICAL DESCRIPTION:

WESTERN EDGE OF KRASNOYARSK ON THE NORTHERN BANK OF THE YENISEY RIVER. THIS IS A SECURED ORBITA RECEIVING FACILITY WHICH CONSISTS OF A DISH ANTENNA 40 FEET IN DIAMETER MOUNTED ON A CONTROL BUILDING 60 FEET IN DIAMETER.

TOP SECRET CHESS RUFF

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KH-4 MISSION 1108

USSR  
COMMO/ELEC/RADAR FACILITIES

25X1D



25X1D

LENINSKOYE MICROWAVE FACILITY



STATUS: OPERATIONAL

25X1A

25X1D

PHYSICAL DESCRIPTION:

1 NM SE OF LENINSKOYE. THIS SECURED FACILITY CONTAINS ONE GUYED MICROWAVE TOWER, ONE CONTROL BUILDING, AND ONE SUPPORT BUILDING.

25X1D



25X1D

LYANGASOVO MICROWAVE FACILITY



STATUS: OPERATIONAL

25X1A

25X1D

PHYSICAL DESCRIPTION:

6 NM NW OF LYANGASOVO. THIS SECURED FACILITY CONTAINS ONE GUYED MICROWAVE TOWER, A CONTROL BUILDING, AND TWO SUPPORT BUILDINGS. THE SMALL SCALE OF THE PHOTOGRAPHY AND HAZE PRECLUDE IDENTIFICATION OF MICROWAVE ELEMENTS BY TYPE, SIZE, OR ORIENTATION.

25X1D



25X1D

PONAZYREVO MICROWAVE FACILITY



STATUS: OPERATIONAL

25X1A

25X1D

PHYSICAL DESCRIPTION:

1 NM NNE OF PONAZYREVO. THIS SECURED FACILITY CONTAINS ONE GUYED MICROWAVE TOWER, A CONTROL BUILDING, AND TWO SUPPORT BUILDINGS.

Handle Via

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Control System Only

TOP SECRET CHESS RUFF

TCS-20015/70 - IPIR 19  
KH-4 MISSION 1108

USSR  
COMMO/ELEC/RADAR FACILITIES

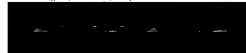
25X1D



25X1D

25X1D

SINDA HF COMMUNICATIONS FACILITY



25X1A



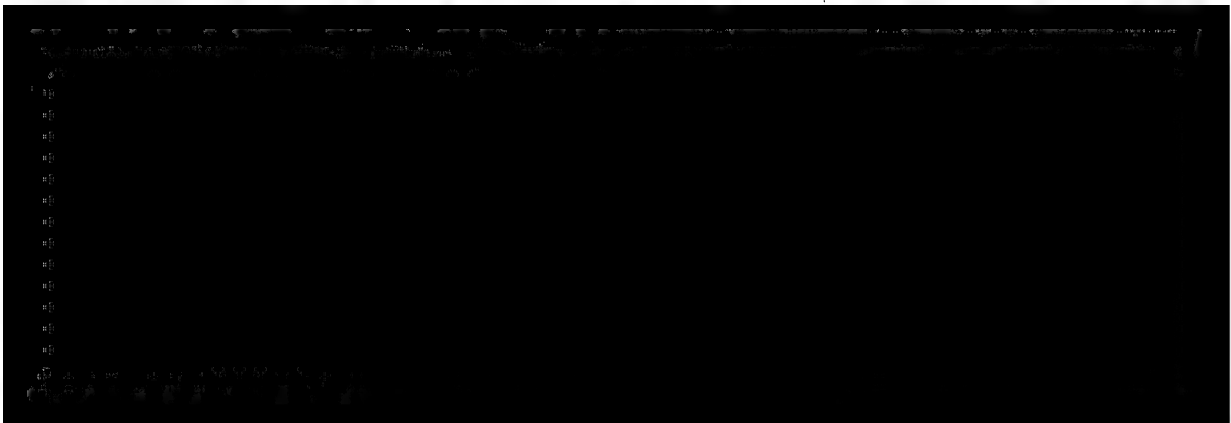
25X1A

STATUS: UNDER CONSTRUCTION

REMARKS:

CONSTRUCTION CONTINUES ON 24 RHOMBIC ANTENNAS AND ON THE CONTROL AREA. A FISHBONE RECEIVING FACILITY IS 13.7 NM WSW OF THIS FACILITY AT SARAPULSKOYE.

25X1D



25X1D

SLOBODSKOY MICROWAVE FACILITY



25X1A



25X1D

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

2 NM SW OF SLOBODSKOY. THIS SECURED FACILITY CONTAINS ONE GUYED, LATTICE MICROWAVE TOWER, AND A CONTROL BUILDING. THE SMALL SCALE OF THE PHOTOGRAPHY PRECLUDES IDENTIFICATION OF MICROWAVE ELEMENTS BY SIZE, TYPE, OR ORIENTATION.

25X1D





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USSR  
COMMO/ELEC/RADAR FACILITIES

25X1D

25X1D

VOKHMA AIR WARNING RADAR FACILITY

STATUS: OPERATIONAL

25X1A

PHYSICAL DESCRIPTION:

EASTERN EDGE OF VOKHMA. THIS SECURED FACILITY CONTAINS ONE OCCUPIED RADAR MOUND, THREE PROBABLE RADAR POSITIONS, ONE CROSS-SHAPED REVETMENT AND TWO VEHICLE OR EQUIPMENT REVETMENTS. WITHIN THE SECURED AREA AND SOUTH OF THE AW FACILITY IS A SUPPORT FACILITY CONTAINING ONE BARRACKS, ONE ADMINISTRATION BUILDING, AND TWO SUPPORT BUILDINGS.

ELECTRONIC ORDER OF BATTLE:

4 PROB RADARS

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D

KRASNY BOK HF COMMO FAC POPOVKA  
NAC

STATUS: OPERATIONAL

25X1A

25X1D

25X1D

25X1D

LENINGRAD RADAR FAC SSE 25X1A

STATUS: UNKNOWN

25X1A

REMARKS:

THE SMALL SCALE OF THE PHOTOGRAPHY PRECLUDES IDENTIFICATION OF THIS FACILITY.

25X1D

**25X1D**

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USSR  
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

ABAN AIRFIELD

25X1A

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

925 METERS (3,038 FEET) EAST OF ABAN. THIS AIRFIELD CONSISTS  
OF A PACKED SNOW RUNWAY.

AIR ORDER OF BATTLE:  
NONE DISCERNIBLE

25X1D

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USSR  
GROUND FORCE FACILITIES

### SIGNIFICANT RESULTS

25X1D

25X1D

KOTELNICH PROB INFANTRY TRAINING AREA

STATUS:OCCUPIED

25X1A

#### PHYSICAL DESCRIPTION:

14 NM SOUTH OF KOTELNICH. THIS PROBABLE INFANTRY TRAINING AREA MEASURES APPROXIMATELY 4 BY 5 NM. IT CONTAINS A SMALL SUPPORT AREA CONSISTING OF APPROXIMATELY 15 STORAGE AND SUPPORT BUILDINGS, AN ATHLETIC FIELD AND TRACK, AND AT LEAST TWO SMALL-ARMS FIRING RANGES. THE REMAINDER OF THE TRAINING AREA CONTAINS NUMEROUS TRENCHES, FOXHOLES, AND FIELD FORTIFICATIONS.

25X1D

25X1D

SERGEYEVKA ARMY ARTY RPR DPO DO-1

25X1D

STATUS:OCCUPIED

25X1A

25X1A

#### PHYSICAL DESCRIPTION:

THE INSTALLATION AT THE REFERENCED COORDINATES CONTAINS ONE PROBABLE ADMINISTRATION BUILDING, THREE BARRACKS, NINE STORAGE OR SUPPORT BUILDINGS, AND A MESSHALL. A SECURED MOTOR POOL CONTAINS ONE PROBABLE VEHICLE MAINTENANCE BUILDING, FIVE VEHICLE STORAGE SHEDS, AND EIGHT OTHER SMALLER BUILDINGS. AN AMMUNITION STORAGE AREA CONTAINS TWO REVETTED BUILDINGS AND TWO OTHER BUILDINGS. A SEPARATELY SECURED AREA CONTAINS ONE SUPPORT BUILDING, TWO STORAGE BUILDINGS, TWO VEHICLE STORAGE SHEDS, AND TWO UTILITY SHEDS. AN OPEN STORAGE VEHICLE AND EQUIPMENT PARK IS ALSO OBSERVED.

#### GROUND FORCE ORDER OF BATTLE:

350 VEHICLES OR PIECES OF  
EQUIPMENT (APPROXIMATELY)

25X1D

**25X1D**

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USSR  
INDUSTRY

SIGNIFICANT RESULTS

25X1D

KOMSOMOLSK AIRFRAME PLANT ORDZH 126

25X1D

25X1A

25X1A

STATUS: OPERATIONAL

REMARKS:

25X1D

EXPANSION OF THE MISSILE CHECKOUT BUILDING REPORTED ON MISSION  
APPEARS TO BE COMPLETE. CONSTRUCTION ON THE  
NEW ASSEMBLY HALL IS CONTINUING. IT APPEARS TO BE 40 PERCENT  
COMPLETE. THE NEW AIRCRAFT DISPERSAL AREA AT THE NORTH END OF  
THE RUNWAY IS STILL UNDER CONSTRUCTION. NO OTHER CHANGES ARE  
OBSERVED.

ASSOCIATED OBJECTS:

25X1D

38 SMALL DELTA/SWEPT-WING  
(AT LEAST)  
2 POSS COLT

1 POSS SMALL HELICOPTER  
10 PROB FITTER FUSELAGE  
CRATES (AT LEAST)

25X1D

9 POSS FLAGON  
8 POSS FITTER  
2 CAB  
2 COLT  
33 SMALL SWEPT-WING  
1 POSS SMALL HELICOPTER

8 PROB FITTER FUSELAGE  
CRATES  
8 PROB FITTER COMPONENT  
CRATES  
3 PROB FITTER WING CRATES

25X1D

50 SMALL DELTA/SWEPT-WING  
(AT LEAST)  
1 MEDIUM STRAIGHT-WING  
2 CAB

2 SMALL STRAIGHT-WING  
2 POSS SS-N-3 CRATES  
14 SHIPPING CRATES  
(APPROXIMATELY)

25X1D

**25X1D**

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NORTH VIETNAM  
GROUND FORCE FACILITIES

### SIGNIFICANT RESULTS

25X1D

HANOI STORAGE AREA BAC MAI

25X1D

STATUS: OCCUPIED

25X1A

#### PHYSICAL DESCRIPTION:

IMMEDIATELY SE OF BACH MAI AIRFIELD.  
THE INSTALLATION CONSISTS OF EIGHT MULTISTORY WAREHOUSES, FOUR  
STORAGE BUILDINGS, NINE BARRACKS (THREE MULTISTORY), ONE  
ADMINISTRATION BUILDING, ONE MESSHALL, AND 23 SUPPORT  
BUILDINGS.

GROUND FORCE ORDER OF BATTLE:  
50 UNIDENTIFIED VEHICLES  
(APPROXIMATELY)

25X1D



## COUNTRY CODES

The following is an alphabetic listing of country codes as compiled from the Basic Encyclopedia. Locations of targets in this report are indicated by the country code preceding the coordinates.

AD	Aden	GO	Gotland Is.	PK	Pakistan (West)
AF	Afghanistan	GR	Greece	PO	Poland
AG	Algeria	GV	Guinea	PT	Portugal
AL	Albania	GW	West Germany	PU	Portuguese Guinea
AM	Andaman and Nicobar Is.	HK	Hong Kong	QA	Qatar
AN	Andorra	HU	Hungary	RA	Rwanda
AO	Angola	ID	Indonesia	RI	Rio Muni
AU	Austria	IF	Ifni	RK	Ryukyu Is.
AZ	Azores Is.	IL	Iceland	RM	Mali
BA	Bahrain Is.	IN	India	RS	Socotra Is.
BK	Botswana (Bechuanaland)	IQ	Iraq	RU	Rumania
BE	Belgium	IR	Iran	RY	Zambia
BH	Bornholm Is.	IS	Israel	RZ	Rhodesia
BI	Balearic Is.	IT	Italy	SB	San Marino
BJ	Nanpo Shoto	IV	Ivory Coast	SD	Sardinia
BM	Burma	JA	Japan	SE	Seychelles Is.
BO	Sabah (N. Borneo)	JK	Jammu and Kashmir	SF	French Somaliland
BS	Lesotho (Basutoland)	JO	Jordan	SG	Sarawak
BT	Bhutan	KE	Kenya	SI	Sicily
BU	Bulgaria	KN	North Korea	SJ	Society Is.
BW	Berlin, West	KS	South Korea	SK	Senegal
BX	Brunei	KU	Kuwait	SL	Sierra Leone
BY	Burundi	LA	Laos	SM	Somali Republic
CA	Canary Is.	LC	Laccadive Is.	SP	Spain
CB	Cambodia	LE	Lebanon	SR	Saudi Arabia
CD	Central African Republic	LI	Liberia	SS	Spanish Sahara
CE	Ceylon	LS	Liechtenstein	ST	Sao Tome E Principe
CG	Chad	LX	Luxembourg	SU	Sudan
CH	China	LY	Libya	SV	Svalbard
CI	Caroline Is.	MA	Malagasy Republic	SW	Sweden
CM	Cameroon	MC	Macao	SY	Syria
CP	Congo (Brazzaville)	MD	Madeira Is.	SZ	Switzerland
CR	Crete	MF	Malaysia	TA	Tanzania
CT	Corsica	MG	Mongolia	TC	Trucial States
CV	Cape Verde Is.	ML	Malta	TH	Thailand
CX	Congo (Leopoldville)	MN	Monaco	TI	Tibet
CY	Cyprus	MO	Morocco	TK	Turkey
CZ	Czechoslovakia	MR	Mascarene Is.	TM	Portuguese Timor
DA	Dahomey	MT	Mauritania	TO	Togo
DE	Denmark	MV	Maldives Is.	TU	Tunisia
DO	Dodecanese Is.	NZ	Mozambique	TW	Taiwan
EG	Egypt	NE	Netherlands	UA	Republic of South Africa
EP	Pakistan (East)	NI	Nigeria	UG	Uganda
ET	Ethiopia	NK	Niger	UR	USSR
FI	Finland	NO	Norway	UV	Upper Volta
FO	Faeroe Is.	NP	Nepal	VN	North Vietnam
FR	France	NS	Surinam	VS	South Vietnam
GA	Gambia	NW	New Guinea	VT	Vatican City
GC	Gabon	NY	Malawi	WA	Swaziland
GE	East Germany	NZ	New Zealand	YE	Yemen
GH	Ghana	OM	Muscat Oman	YU	Yugoslavia
GI	Gibraltar	PI	Philippines		

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AN	Andorra	HU	Hungary	RA	Rwanda
AO	Angola	ID	Indonesia	RI	Rio Muni
AU	Austria	IF	Ifni	RK	Ryukyu Is.
AZ	Azores Is.	IL	Iceland	RM	Mali
BA	Bahrain Is.	IN	India	RS	Socotra Is.
BK	Botswana (Bechuanaland)	IQ	Iraq	RU	Rumania
BE	Belgium	IR	Iran	RY	Zambia
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BS	Lesotho (Basutoland)	JO	Jordan	SG	Sarawak
BT	Bhutan	KE	Kenya	SI	Sicily
BU	Bulgaria	KN	North Korea	SJ	Society Is.
BW	Berlin, West	KS	South Korea	SK	Senegal
BX	Brunei	KU	Kuwait	SL	Sierra Leone
BY	Burundi	LA	Laos	SM	Somali Republic
CA	Canary Is.	LC	Laccadive Is.	SP	Spain
CB	Cambodia	LE	Lebanon	SR	Saudi Arabia
CD	Central African Republic	LI	Liberia	SS	Spanish Sahara
CE	Ceylon	LS	Liechtenstein	ST	Sao Tome E Principe
CG	Chad	LX	Luxembourg	SU	Sudan
CH	China	LY	Libya	SV	Svalbard
CL	Caroline Is.	MA	Malagasy Republic	SW	Sweden
CM	Cameroon	MC	Macao	SY	Syria
CP	Congo (Brazzaville)	MD	Madeira Is.	SZ	Switzerland
CR	Crete	MF	Malaysia	TA	Tanzania
CT	Corsica	MG	Mongolia	TC	Trucial States
CV	Cape Verde Is.	ML	Malta	TH	Thailand
CX	Congo (Leopoldville)	MN	Monaco	TI	Tibet
CY	Cyprus	MO	Morocco	TK	Turkey
CZ	Czechoslovakia	MR	Mascarene Is.	TM	Portuguese Timor
DA	Dahomey	MT	Mauritania	TO	Togo
DE	Denmark	MV	Maldives Is.	TU	Tunisia
DO	Dodecanese Is.	MZ	Mozambique	TW	Taiwan
EG	Egypt	NE	Netherlands	UA	Republic of South Africa
EP	Pakistan (East)	NI	Nigeria	UG	Uganda
ET	Ethiopia	NK	Niger	UR	USSR
FI	Finland	NO	Norway	UV	Upper Volta
FO	Faeroe Is.	NP	Nepal	VN	North Vietnam
FR	France	NS	Surinam	VS	South Vietnam
GA	Gambia	NW	New Guinea	VT	Vatican City
GC	Gabon	NY	Malawi	WA	Swaziland
GE	East Germany	NZ	New Zealand	YE	Yemen
GH	Ghana	OM	Muscat Oman	YU	Yugoslavia
GI	Gibraltar	PI	Philippines		

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